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(54) Title: REUSABLE SOLID SUPPORT FOR OLIGONUCLEOTIDE SYNTHESIS

(57) Abstract

A reusable linker arm for solid support oligonucleotide synthesis, the linker arm comprising formula (a) wherein Z is a linker moiety and T is an organic radical. A method for adding one or more nucleosides on the linker arm is also described.

Z-O-T---[SUPPORT] (a)

носси[;]си[;]сон

NH--SUPPORT

SUCCINYL-SUPPORT CONJUGATE
PRODUCTION

HOCCII,CH₂C N SUPPORT
H

DMTO

R

CCH₂CH₂C N SUPPORT
OII R

OLIGONUCLEOTIDE OCCH₂CH₂C N SUPPORT
OCCH₂CH₂CH₃C N SUPPORT
OCCH₂CH₃C N SUPPORT
OCCH₂CH₃C N SUPPORT

OLIGONUCLEOTIDE-O-CCH₂CH₂C-N-SUPPORT O O H

CLEAVAGE

OLIGONUCLEOTIDE-OH

H₂N -CCH₂CH₂C -N -SUPPORT

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